

WHAT IS CLAIMED IS:

1. A hollow frame member adapted to be friction stir welded, comprising:

a first plate, a second plate substantially in parallel to said first plate, and a third plate connecting a midway of one end side of said first plate and said second plate, and

one end of said first plate projects beyond an end side of said second plate, and

said one end of said first plate is a portion in which by inserting a rotary tool therein a friction stir welding can be carried out.

2. A hollow frame member according to claim 1, wherein:

at an outer face side of said second plate, a raised portion which projects to an outer side from an outer face of said second plate is provided along to said one end side, and

said raised portion is a portion in which by inserting a rotary tool a friction stir welding can be carried out.

3. A hollow frame member according to claim 1, wherein:

at said end side of said second plate, a raised portion which projects to an outer side from an outer face of said second plate is provided, and

said raised portion is a portion in which by inserting a rotary tool a friction stir welding can be carried out.

4. A hollow frame member according to claim 1, wherein:
 - at an outer side of said end side of said second plate, a raised portion is provided, and
 - said raised portion is opened directed toward said outer side in a thickness direction of said hollow frame member and toward said end side of said second plate.
5. A hollow frame member according to claim 4, wherein said raised portion is positioned at a connection portion of said third plate and one end of said second plate.
6. A hollow frame member according to claim 4, wherein:
 - said third plate is substantially orthogonal to said second plate,
 - a corner portion of a recessed portion of the second plate is positioned in a range of an extension line in a thickness of said third plate, and
 - said raised portion is a portion in which by inserting a rotary tool a friction stir welding can be carried out.
7. A hollow frame member according to claim 6, wherein said corner portion is positioned at a center in a thickness of said third plate.
8. A hollow frame member according to claim 6, wherein said corner portion is positioned at another end side of said hollow frame member from a center in a thickness of said third plate.

9. A hollow frame member according to claim 6, wherein:
said raised portion is connected to said recessed portion and projects
to an outer side from an outer face of said second plate, and
said raised portion is a portion in which by inserting a rotary tool a
friction stir welding can be carried out.

10. A hollow frame member according to claim 4, wherein:
at said one end of said first plate, a raised portion which projects
toward a side of said second plate is provided along to said one end, and
said raised portion is a portion in which by inserting a rotary tool a
friction stir welding can be carried out.

11. A hollow frame member adapted to be friction stir welded,
comprising:

a first plate, a second plate which is substantially in parallel to said first
plate, and a third plate connecting a midway of one end side of said first plate
and said second plate,

one end of said first plate projects beyond one end side of said second
plate,

at a connection portion of said one end of said second plate and said
third plate, in a side of an outer side of said second plate, a recessed portion
is provided along said connection portion,

said recessed portion opens directed toward an outer side in a
thickness direction of said hollow frame member and toward said one end
side of said second plate, and

a corner portion from said second plate to said recessed portion is positioned at a range in a thickness of said third plate,

said recessed portion is a portion in which by inserting a rotary tool a friction stir welding can be carried out, and

said one end of said first plate is a portion in which by inserting said rotary tool a friction stir welding can be carried out.

12. A hollow frame member according to claim 11, wherein:

a raised portion, which is connected to said recessed portion and projects to an outer side from an outer face of said second plate, is provided at an outer side of said second plate,

at said one end of said first plate, a second raised portion, which projects toward said second plate, is provided, and

said raised portion and said second raised portion are portions in which by inserting a rotary tool a friction stir welding can be carried out.

13. A hollow frame member, comprising:

a first plate, a second plate substantially in parallel to said first plate, and a third plate connecting a midway of one end side of said first plate and said second plate,

an end of said first plate projects beyond an end of said second plate, and

said end of said first plate is a portion in which a welding is carried out.

14. A hollow frame member according to claim 13, wherein:

in a side of an outer face of said end of said second plate, a recessed portion is provided along to said end of said second plate, and said recessed portion opens directed toward a side of an outer face in a thickness direction of the hollow frame member and a side of said end of said second plate.

15. A hollow frame member according to claim 14, wherein said recessed portion is a connection portion between said third plate and said end of said second plate.